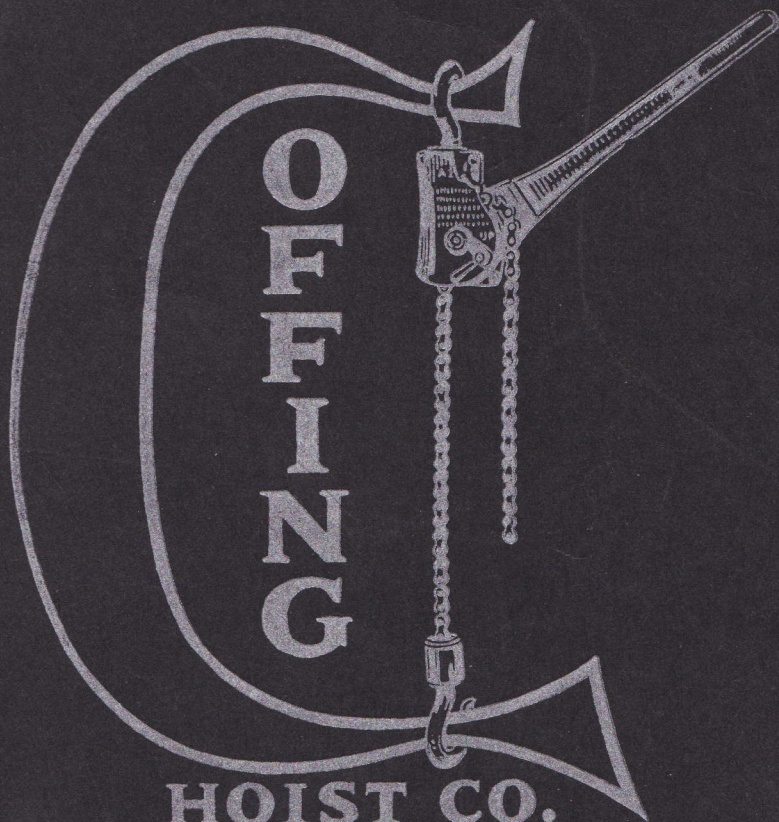


COFFING
PRODUCTS
"THE UNIVERSAL TOOLS"



HOIST CO.
DANVILLE, ILLINOIS



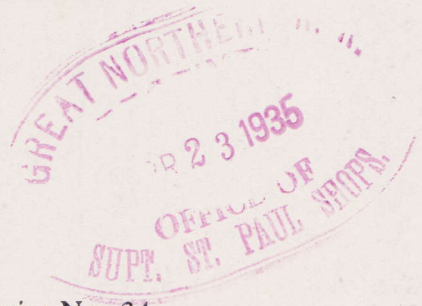
Coffing Products

Ratchet Lever Hoists

Spur Gear Gravity Hoists

Electric Hoists

Load Binders



Refer to Catalog Series No. 24
in writing us for information on articles listed.



BUY THROUGH YOUR DISTRIBUTOR

Materials purchased direct from factory are F. O. B. Danville, Illinois.



The Coffing Hoist Company is the owner of the following Letters Patent.
No. 1,464,259, No. 1,862,331, No. 1,581,362, No. 1,960,371, No. 277,749,
No. 301,769. Other Patents Pending.



COFFING RATCHET HOISTS,

Capacities $\frac{3}{4}$ to 6 Tons



Model A
 $\frac{3}{4}$ - Ton



Model A-S
 $1\frac{1}{2}$ - Tons



Model A-T
 $1\frac{1}{2}$ - Tons



Model F
 $1\frac{1}{2}$ - Tons

« - »

OPERATION OF RATCHET HOISTS:

These hoists operate on a straight ratchet principle, pump handle style. The load is raised or lowered by short strokes of the hoist lever or handle. The handle can be used from either side. The small lever on the side of the hoist frame controls the movement up or down.

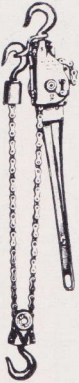
If the control lever is in the "down" position, and there is no load on the hoist, by pressing the thumb latch on the side of the hoist handle, the load chain is freed from the ratchet pawl for quick adjustment, up or down.

These tools can be used in any position for lifting or pulling. They have been tested and will operate at 100 per cent over rated capacity.



"THE UNIVERSAL TOOLS"

Furnished with any length load chain.



Model F-S
3 - Tons



Model F-T
3 - Tons



Model Z
6 - Tons

INFORMATION AND PRICES:

MODEL	A	A-S	A-T	F	F-S	F-T	Z
Rated Capacity in Tons:	3/4	1 1/2	1 1/2	1 1/2	3	3	6
Net Weight in Pounds:	14	19	17	25	36	34	65
Pounds Required on Lever to Lift Rated Capacity:	56	60	60	136	140	110	145
Minimum Distance Between Hooks:	13 In.	15 In.	15 In.	16 In.	18 In.	17 In.	25 In.
Standard Feet of Chain:	5	10	10	5	10	10	20
Lifting Speed per Stroke:	5/8 In.	5/16 In.	5/16 In.	1 In.	1/2 In.	1/2 In.	1/4 In.
Lifting Speed per Minute:	36 In.	18 In.	18 In.	48 In.	24 In.	24 In.	12 In.
Extra Load Chain, Per Lifting Foot:	\$0.75	\$1.50	\$1.50	\$1.25	\$2.50	\$2.50	\$5.00
Super Attachment, (Special Iron Block)	\$4.25			\$5.75			
PRICE:	\$32.00	\$40.00	\$40.00	\$45.00	\$57.00	\$57.00	\$110.00

Prices Subject To Change Without Notice.

NOTE: Models A-S and F-S. By attaching a special iron block to either our Model A or F hoist, (and 5 feet of chain to keep your standard 5 foot lift) you have converted them into double their rated capacities. Listed as Models A-S and F-S.

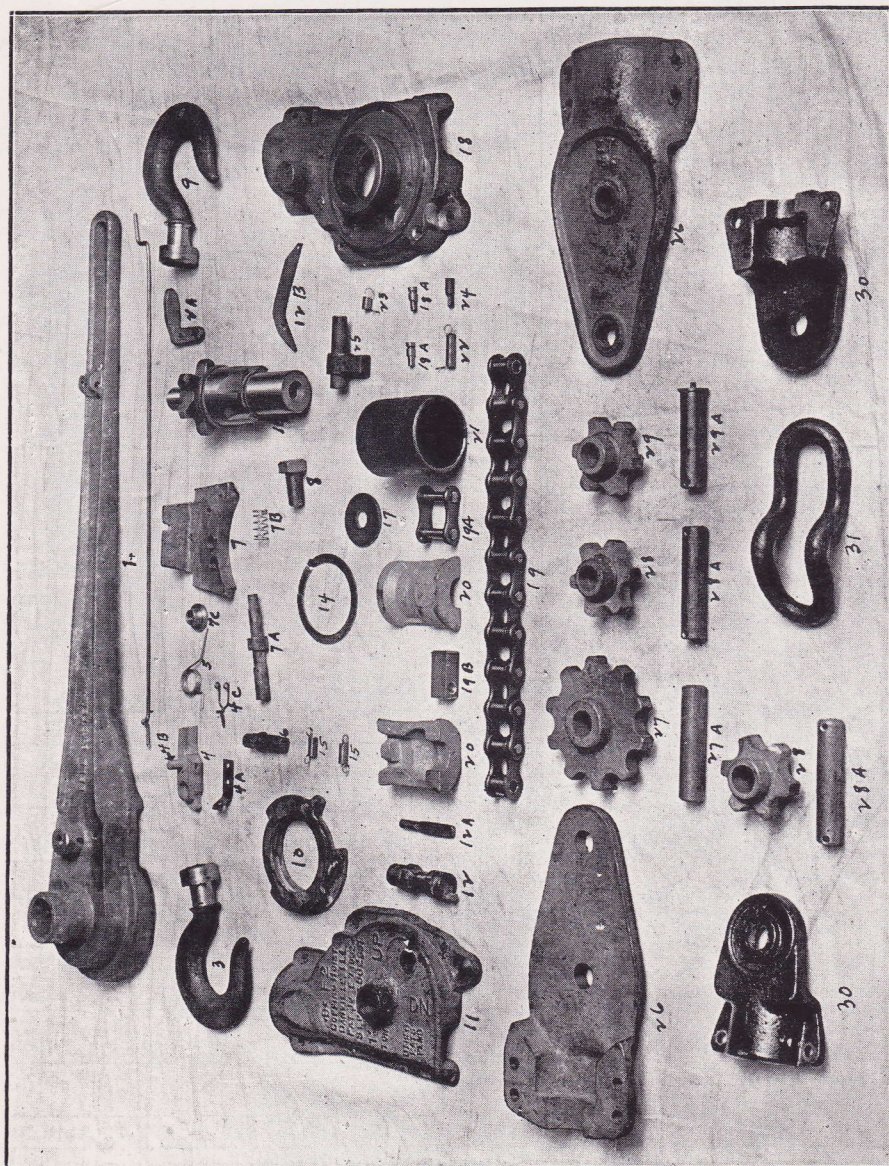


Chart of Parts for all models Coffing Ratchet Hoists.

Price List of Parts

	Model A	Model F	Model Z
1. Hoist Lever	\$3.75	\$4.00	\$6.50
2. Trip Rod	.15	.20	.20
2A Thumb Latch	.30	.35	.35
3. Top Hook of hoist	1.45	2.00	6.00
4. Lever Pawl	1.00	1.15	1.15
4A Release Spring for Lever Pawl	.10	.10	.10
4B Trip Pin for Lever Pawl	.10	.10	.10
4C Safety Release Spring	.20	.20	.20
5. Lever Pawl Springs	.05	.05	.05
6. Lever Pawl Pin	.25	.30	.30
7. Cover for Lever Pawl	.60	.75	.75
7A Safety Pin	.55	.55	.55
7B Spring for Safety Pin	.05	.05	.05
7C Knob for Safety Pin	.15	.15	.15
8. Lever Cap Screw	.15	.15	.15
9. Hook for end of chain	1.45	2.00	6.00
10. Reverse Ring	2.50	2.80	3.00
11. Left Frame Castings	4.30	4.60	13.00
12. Reverse Shaft and Lever	.55	.55	1.80
12A Reverse Shaft Lever	.10	.10	.10
12B Spring for Reverse Shaft	.10	.10	.10
14. Retainer for Reverse Ring	.25	.30	.35
15. Reverse Ring Springs (2)	.20	.25	.25
16. Main Sprocket and Ratchet	10.00	12.00	12.00
17. Lever Washer	.10	.12	.12
18. Right Frame Casting	4.60	5.20	15.00
18A Stationary Pin for Reverse Ring	.05	.05	.05
19. Chain, 5 Ft. (20 Ft. for Model Z)	3.75	6.25	25.00
19A Master Link	.12	.15	.15
19B Lug for end of chain	.12	.15	.15
20. Two halves of Swivel	1.15	2.30	
21. Band for swivel joint	.45	.55	
22. Main Locking Pawl Spring	.10	.10	.10
23. Main Locking Pawl Spring attached to Reverse Ring	.10	.10	.10
24. Main Locking Pawl Release Pin	.25	.30	.35
25. Main Locking Pawl and Pin assembly	1.45	1.70	1.80
Total Price of Parts, A and F:	\$40.54	\$49.77	

Specifications:

HOOKS: Special design of High Grade Steel.
 FRAME and LEVER: Certified Malleable Iron.
 SPROCKET & RATCHET: Special Steel, heat treated and ground.
 CHAIN: Diamond Alloyed Steel.
 PAWLS: Alloyed Steel, heat treated.
 COIL SPRINGS: Tinned Steel, to resist acid and rust.
 ALL OTHER PARTS MADE TO CORRESPOND.

Parts for Super Attachment Models . . A, F

3. Hook	\$1.45	\$2.00
28. Sprocket	.80	1.15
28A Sprocket Pin	.45	.55
30. Frames—1 pair	1.25	1.75
31. Top Link	.30	.30
TOTAL	\$4.25	\$5.75

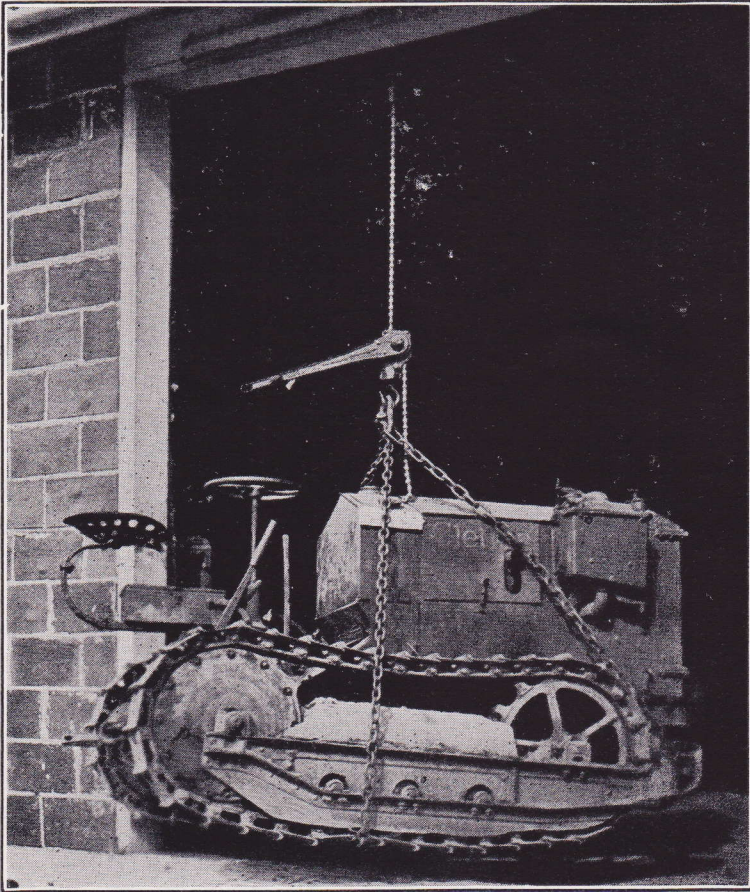
Z Parts, (Continued)

26. Castings for Block	\$7.00
27. Large Sprocket	2.50
27A Pin for Large Sprocket	.75
28. Small Sprocket	1.50
28A Pin for Small Sprocket	.55
29. Idler Sprocket	1.50
29A Pin for Idler Sprocket	.75
Total price of parts for Model Z . . .	\$110.57





You will not believe it until you see it!
The Little Hoist at the Big Job

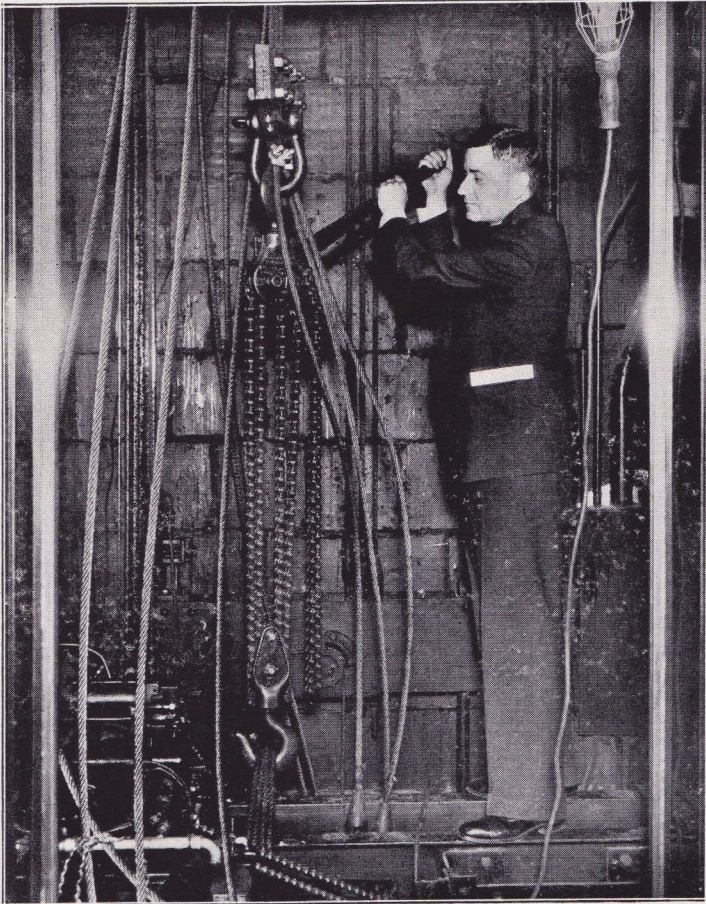


Model F, 1½ ton hoist, weight 25 Lbs.
Lifting 5200 Lb. Tractor

**This tractor was swinging 8 inches from floor
when photo was taken.**

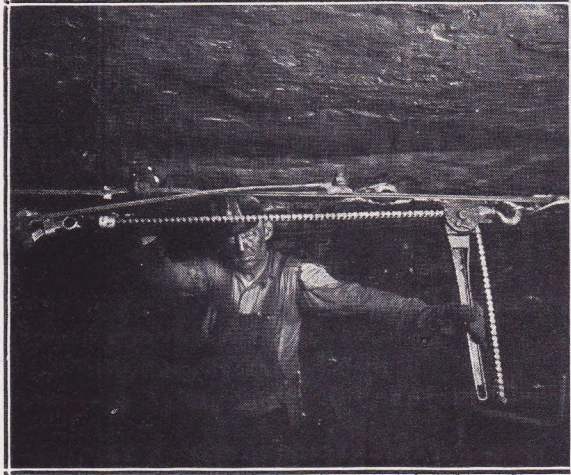


**A 6 ton hoist that only weighs 65 Lbs.
Can be handled by one man.**

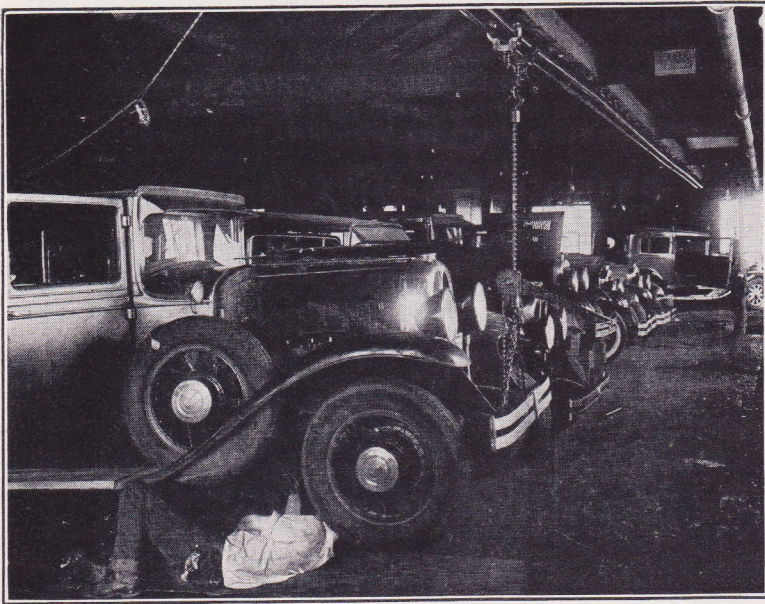


**Lifting Elevator Car while new cables
are being installed.**

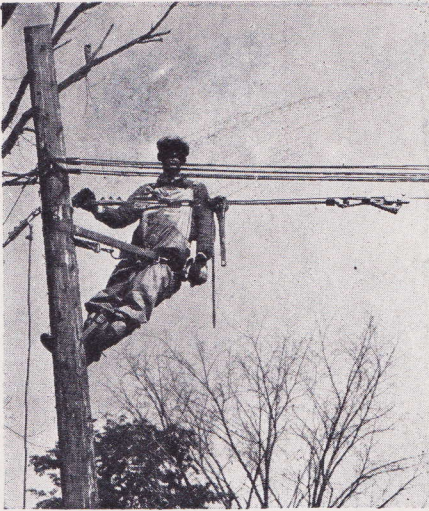
Photo was taken in the Chrysler Building, New York City.



Using Model A for stretching trolley in mine



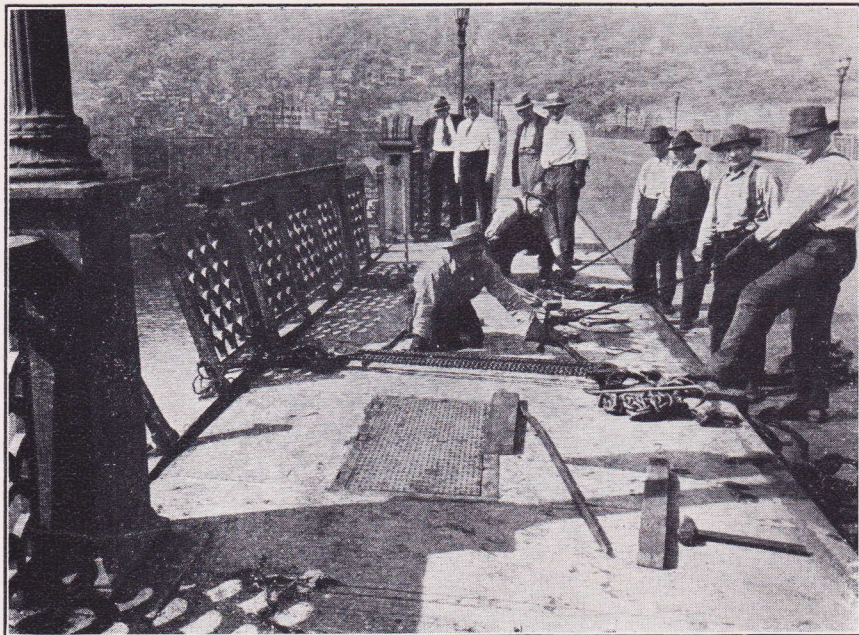
Coffing Hoist, 1½ ton size, being used in this garage



**Telephone
Lineman
pulling
overhead
guy wires
with
Model A
Hoist**



Handling pipe line with Model F Coffing Hoist

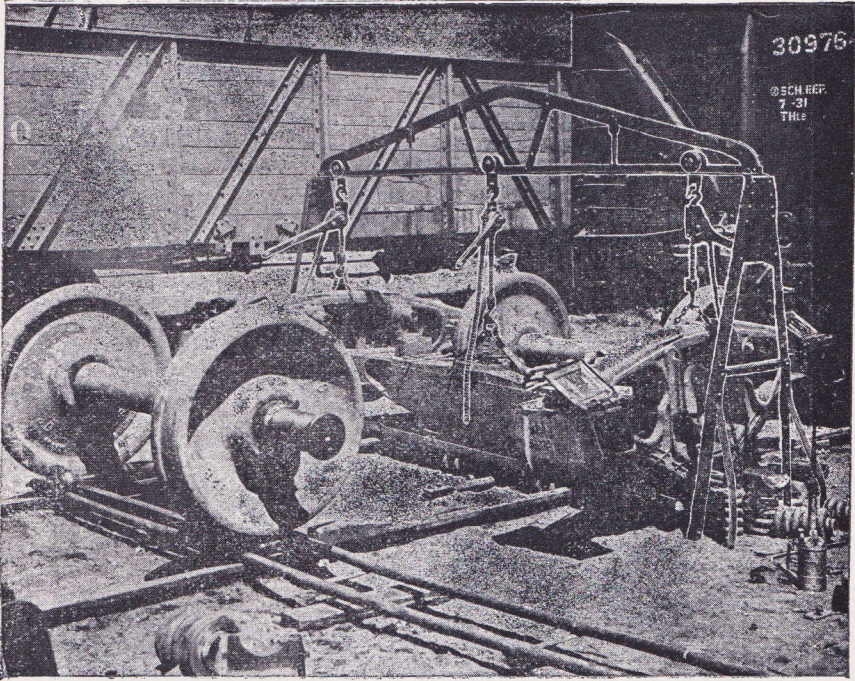


A New Job for Coffing Hoists

« - »

This shows the Allegheny County Highway Department using two of the six 6 ton hoists they have purchased from us, pulling steel beam of bridge on Allegheny river back in line after auto jumped side walk and broke through banister.

Note the position of these hoists. If you have any work of this nature send in and get one of our hoists and convince yourself that this tool has no equal in many kinds of work.

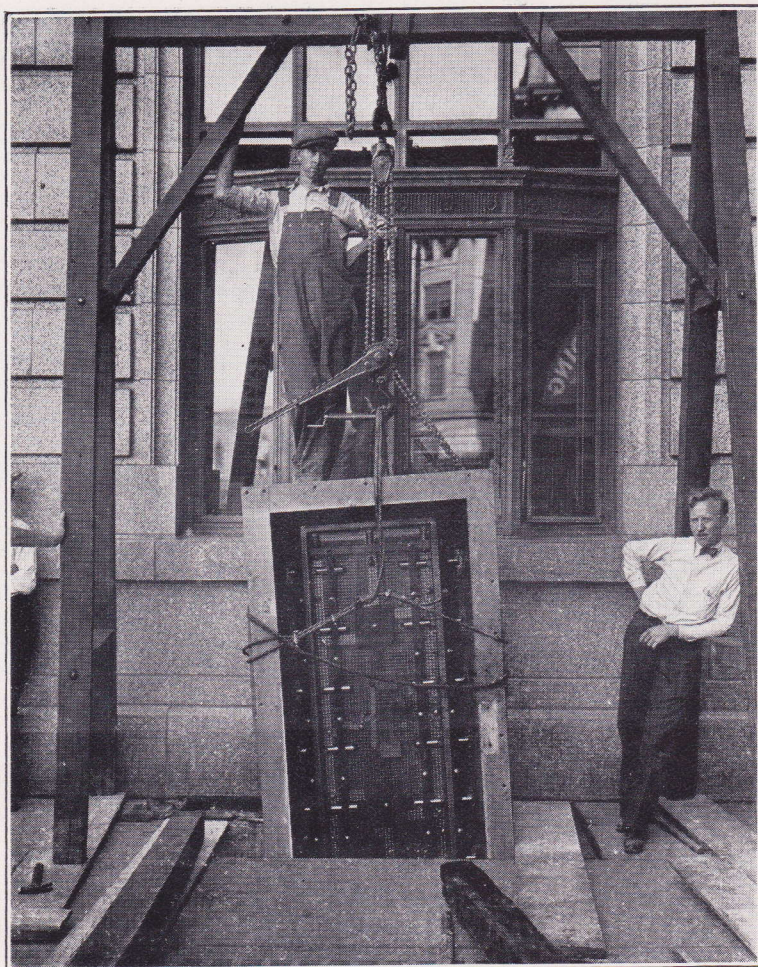


Changing car wheels in repair yards

« - »

Three Model A $\frac{3}{4}$ - ton Coffing Hoists on a tripod,
making a hard job easy and desirable.

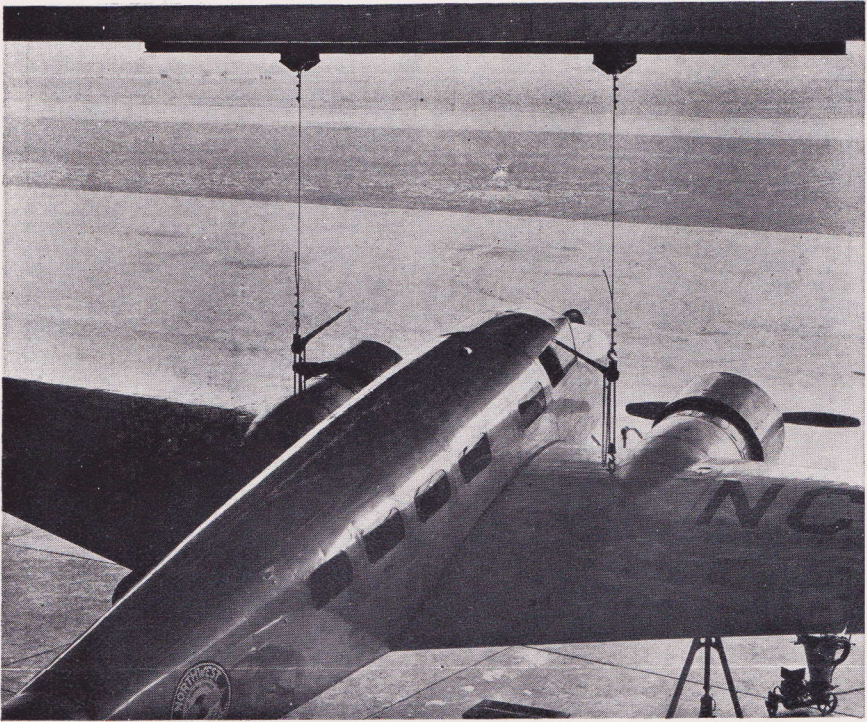
These hoists are used and recommended by many
large railroads.



Model Z, 65 Lb. Hoist

« Operated With One Hand »

Lifting 4 - ton vault front from Basement of Office Building.



Above picture shows two of our 3 - ton hoists
lifting a 7000 Lb. 12 - passenger plane
for testing landing gears.

« - »

Taken at the Municipal Airport, St. Paul, Minnesota



A Great Helper in the Oil Field



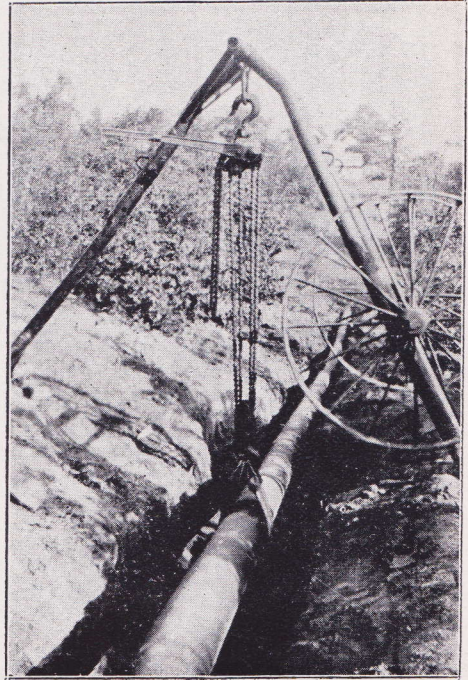
The Oil Producers have found the Coffing Hoist to be a superior tool for their work on account of its light weight and compactness, and its ease of operation.

They use them for picking up rod lines to oil wells, skidding engines, boilers and any cumbersome equipment into place, loading trucks, erecting rigs, or wherever a lift or pull is needed.

You will not appreciate this hoist until you have given it a trial.



MODEL F-T, 3 Tons
Weight 34 Lbs.

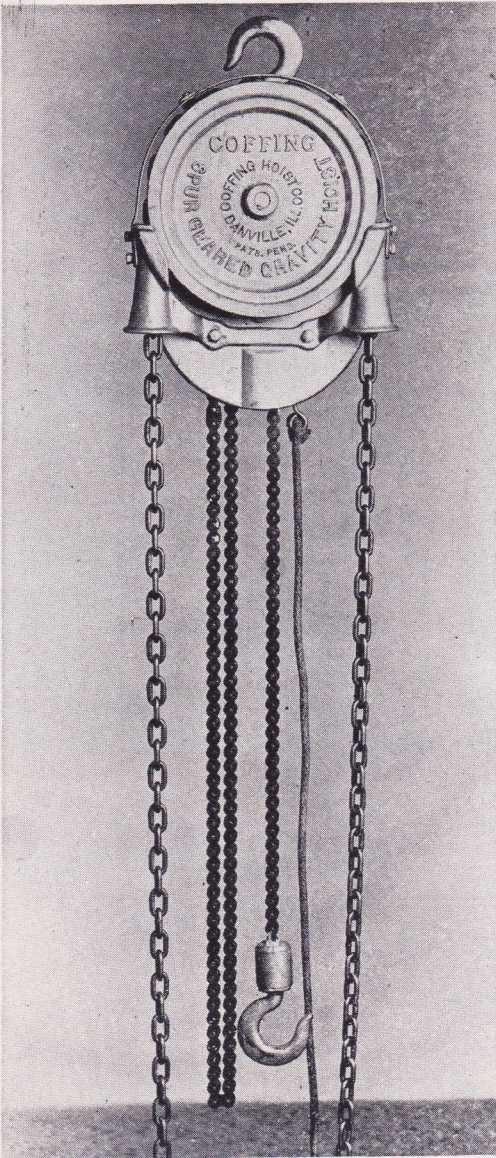


MODEL Z, 6 Tons
Weight 65 Lbs.

« - »

Coffing Hoists being used on wheeled tripods, for lifting and lowering pipe lines in oil fields.

Notice the weight of these little giants, taking the place of heavy, cumbersome, expensive equipment.



Coffing's Ball Bearing Spur Gear Gravity Hoist

SPECIFICATIONS OF MATERIALS

FRAME AND HAND CHAIN WHEEL	- - - -	Malleable Iron
HOOKS	- - - -	Special Drop Forging, heat treated
LOAD CHAIN	- - - -	Special Diamond Chain tested to 8,000 Lbs. single strand
GEARS	- - - -	Special Heat Treated Steel
HAND CHAIN	- - - -	Standard 3/16" Link Chain



Coffing's Ball Bearing Spur Gear Gravity Hoist

Designed to meet the desired features that have long been looked for in the hoist field.

1. Light Weight.
2. Ball Bearing.
3. Free Chain for Quick Adjustment.
4. Load lowered by gravity. (No Hand Chain used to Lower Load.)
5. Lowering Speed controlled by governor.
6. Load can be Stopped at Any Position.
7. Will Operate with Safety under 100 per cent Overload.

IN CAPACITIES FROM $\frac{1}{2}$ TO 2 TONS.

2 Ton Capacities (Double Chain.)

FURNISHED WITH ANY LIFT DESIRED.

OPERATION:

In raising the load this hoist operates like any ordinary chain hoist, but in lowering the load, pull on the release rope, which releases the clutch and the load will lower by gravity, without the use of the hand chain. Lowering speed is controlled by governor on hand chain wheel. If there is no load on the hoist, free chain may be obtained for quick adjustment, up or down.

SPECIFICATIONS and PRICES:

Rated Capacity in Tons:	$\frac{1}{2}$	1	2
Pounds Required on Pull Chains to lift Rated Capacity:	48	53	60
Standard Lift in Feet:	8	8	8
Minimum Distance between hooks:	21 In.	21 In.	23 In.
Net Weight in Lbs.	63	63	72
Lifting Speed per Minute:	10 Ft.	6 Ft.	3 Ft.
Lowering Speed per Minute: (Adjustable)	20 to 30 Ft.	15 to 20 Ft.	15 to 20 Ft.
Extra Load Chain, Price per Lifting Foot:	\$0.90	\$0.90	\$1.80
Extra Hand Chain, All Models: Per Lineal Foot:	\$0.15	\$0.15	\$0.15
PRICE:	\$55.00	\$70.00	\$85.00

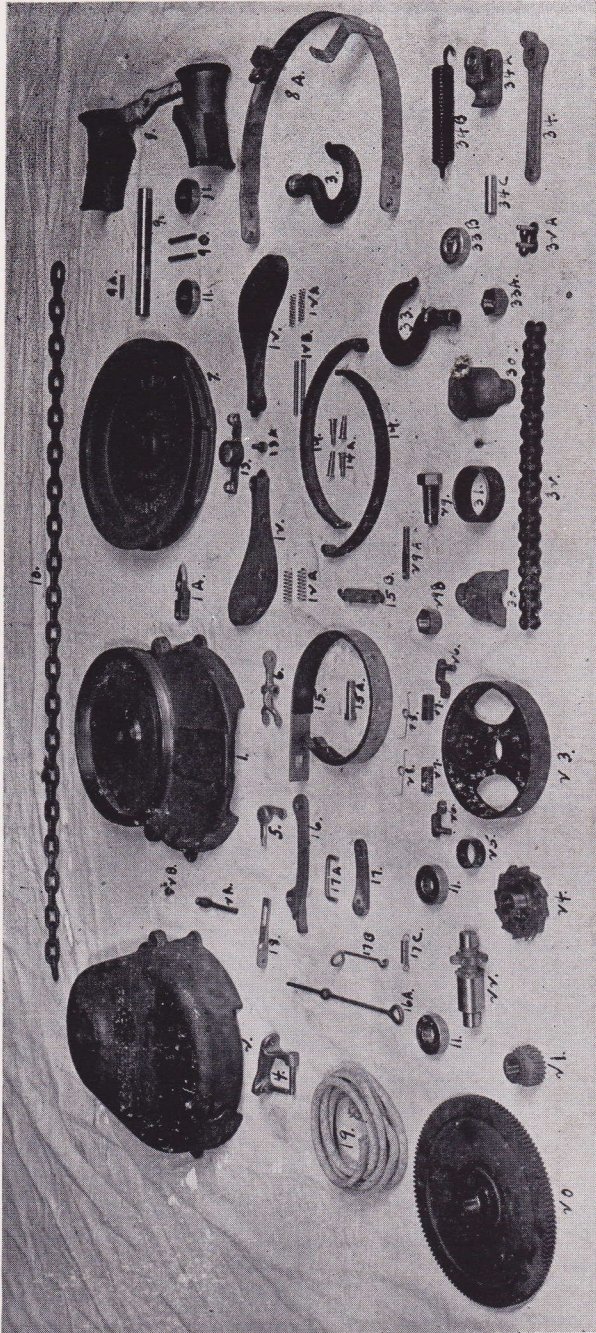
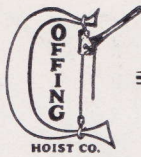


CHART OF PARTS OF COFFING SPUR GEAR HOISTS

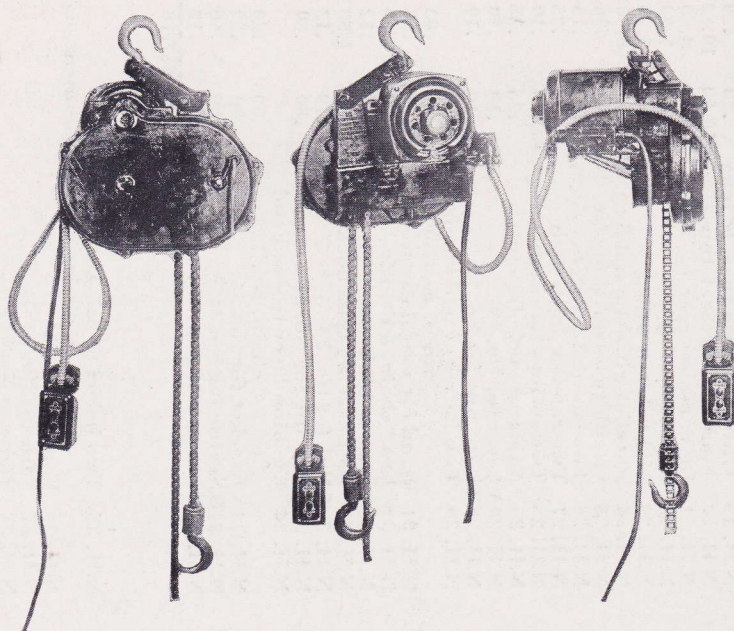
Price List of Parts

	1/2 Ton	1 Ton	2 Ton		1/2 Ton	1 Ton	2 Ton
N.H. 1 Small housing casting	\$7.80		\$7.80	N.H. 17C Safety spring on end of 17B	.10	.10	.10
N.H. 1A Shedding pawl	.60	.60	.60	N.H. 18 Positive throw-in link	.15	.15	.15
N.H. 2 Large housing casting	10.00	10.00	10.00	N.H. 19 Clutch release rope, 6' long	.20	.20	.20
N.H. 2A Oil pipe	.40	.40	.40	N.H. 20 Main drive gear, 2 ton	10.80	10.80	10.80
N.H. 2B Oiler	.10	.10	.10	N.H. 21 Drive pinion gear	4.80	4.80	4.80
N.H. 3 Top Hook	1.45	1.45	1.45	N.H. 22 Lifting sprocket	7.00	7.00	7.00
N.H. 4 Bracket for shifting fork No. 6	.80	.80	.80	N.H. 23 Main clutch wheel	1.20	1.20	1.20
N.H. 5 Shifting lever	.15	.15	.15	N.H. 24 Ratchet wheel for holding load	6.00	6.00	6.00
N.H. 6 Shifting fork	.25	.25	.25	N.H. 25 Graphite bushing for No. 24	.20	.20	.20
N.H. 7 Hand chain wheel	6.00	6.00	6.00	N.H. 26 Two guards for ratchet dogs, ea.	.15	.15	.15
N.H. 8 Lower part of guard for hand chain wheel	1.40	1.40	1.40	N.H. 27 Two ratchet dogs, each	.25	.25	.25
N.H. 8A Upper part of guard for hand chain wheel	1.20	1.20	1.20	N.H. 28 Two springs for ratchet dogs, ea.	.10	.10	.10
N.H. 9 Drive shaft	3.00	3.00	3.00	N.H. 29 Adjusting bolt for clutch	.25	.25	.25
N.H. 9A Key for hand chain wheel on drive shaft,	.05	.05	.05	N.H. 29A Lever for No. 29	.10	.10	.10
N.H. 9B Two keys for pinion 21 on drive shaft, each	.05	.05	.05	N.H. 29B Lock nut for No. 29	.10	.10	.10
N.H. 10 Hand chain, 14 Ft.	2.10	2.10	2.10	N.H. 30 Two halves of ball bearings swivel castings, each	.60	.60	.60
N.H. 11 Four ball bearings for drive shaft	1.00	1.00	1.00	N.H. 31 Band for swivel castings	.25	.25	.25
N.H. 12 Two governor weights, each	.90	.90	.90	N.H. 32 Load chain, 8 Ft. lift	7.20	7.20	14.40
N.H. 12A Four springs for governor, ea.	.05	.05	.05	N.H. 32A Master Link	.12	.12	.12
N.H. 12B Two pins for governor springs, each	.15	.15	.15	N.H. 33 Ball bearing type hook	1.50	1.50	1.50
N.H. 13 Governor weight adjuster	.30	.30	.30	N.H. 33A Nut for No. 33	.12	.12	.12
N.H. 13A Cap screw to lock No. 13	.05	.05	.05	N.H. 33B Bearing for No. 33	.80	.80	.80
N.H. 14 Two brake bands for governor	1.00	1.00	1.00	N.H. 34 Cushion lever to dead end chain, No. 32	.20	.20	.20
N.H. 14A Four brake pins for governor, each	.10	.10	.10	N.H. 34A Bracket for No. 34	.20	.20	.20
N.H. 15 Main clutch band	1.00	1.00	1.00	N.H. 34B Spring for No. 34	.50	.50	.50
N.H. 15A Bolt to anchor clutch band	.15	.15	.15	N.H. 34C Pin to connect No. 34 & 34A	.12	.12	.12
N.H. 15B Spring for clutch band	.20	.20	.20		<u>\$87.16</u>	<u>\$87.16</u>	
N.H. 16 Clutch band release lever	.35	.35	.35	N.H. 35 Two halves of ball bearing swivel castings for super attachment, each			.75
N.H. 16A Pull rod to release lever No. 16	.40	.40	.40	N.H. 36 Same as No. 31			.25
N.H. 17 Super lever for No. 16	.25	.25	.25	N.H. 37 Same as No. 33			1.50
N.H. 18A Connecting link for 16 & 17	.15	.15	.15	N.H. 38 Same as No. 33A			.12
N.H. 17B Pull rod for shifting pinion No. 21	.10	.10	.10	N.H. 39 Same as No. 33B			.80
				N.H. 40 Sprocket for super attachment			.80
				N.H. 41 Sprocket pin for super attachment			.45
							<u>\$95.91</u>





THE COFFING ELECTRIC HOIST



Can be transferred from one place to another by one man.

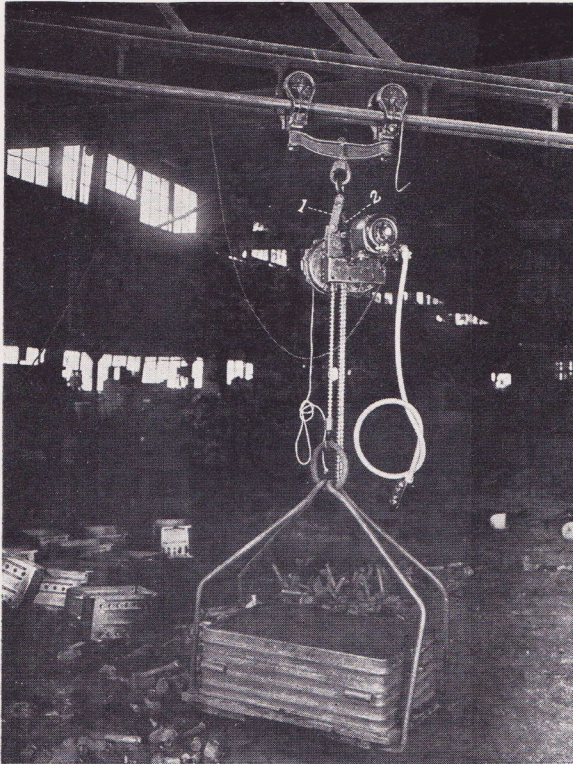
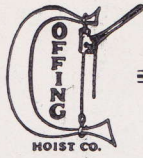
MAIN FEATURES:

1. Automatic Balancing Hook.
2. Push Button Control.
3. Safety Type Limit Switch.
4. Spur Gear Driven, gives highest efficiency.
5. Positive Automatic Brake.
11. Special Alloy Chain, tested to 300% overload.
(2 ton capacities, double chain)
6. Brake Adjustable from Outside.
7. Oil Bath Lubrication.
8. All loads carried by Steel Members.
9. Motor Coupling Universal Type.
10. Special Steel Drop Forged Swivel Hook,
with Ball Bearings.

SPECIFICATIONS AND PRICES:

Capacity in Tons:	$\frac{1}{4}$	$\frac{1}{2}$	1	2
Motor Horse Power:	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$
A. C. Standard	110 V	110 V	110 V	110 V
Standard Lift in Feet:	8	8	8	8
Lifting Speed per Minute:	20'	10'	5'	2½'
Net Weight in Pounds:	75	75	75	85
Shortest Distance Between Hooks:	22"	22"	22"	24"
Extra Chain per Lifting Foot:	\$0.75	\$0.75	\$0.75	\$1.50
Extra BX Switch Cable, per foot:	\$0.20	\$0.20	\$0.20	\$0.20
Extra Drop Cord, per foot:	\$0.05	\$0.05	\$0.05	\$0.05
PRICE:	\$145.00	\$145.00	\$145.00	\$155.00

Additional Cost for Special Motor.



PLEASE NOTICE OUR AUTOMATIC BALANCING

Hinged Hook and Spring
(Numbers 1 and 2.)

Also, page 20, notice hoist
balanced without load.

This avoids a heavy
useless counterbalance.

The balancing spring
acts as a cushion to pre-
vent any sudden or direct
jerks when lifting a load.

For instance, in foun-
dry work it has proven
very satisfactory for hand-
ling large molds and heavy
trunnion flasks.

A handy little helper

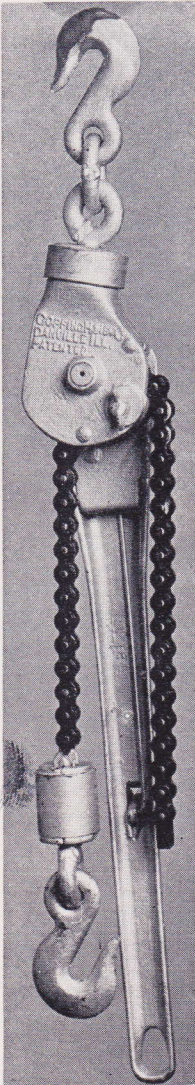
in any

Foundry, Railroad and Machine Shop,

All Plant Service Departments
and hundreds of other places.



COFFING'S LOAD BINDER



Light Weight
and Powerful

Capacity - 4000 Lbs.

With Super Attachment - 8000 Lbs.

Weight:

with 9/16 inch grab hooks and
24 inch load chain

11½ Lbs.

Price: - - \$12.00

Super Attachment with 2 feet extra load chain . . \$5.50

(Refer to Model A-T Hoist, page 2)



COFFING'S LOAD BINDER



Binding a Load of Poles

This binder operates on a straight ratchet principle, featuring an exclusive free chain device for quick adjustment of the load chain. The take-up is $\frac{5}{8}$ inch per stroke, which permits you to pull the load up tight without making a second hitch.

After driving some distance, with this binder, if the load has settled, and the load chain becomes loose, all you need to do is operate the ratchet until your load is bound tight again. The standard length of load chain is 24 inches.

If the load binder is not strong enough single chain, the Model A-T super attachment, as shown on page 2, can be attached to double the power. As much additional chain can be added as desired, at \$0.75 per foot.

